



Informatica PowerCenter 10.5x Advanced Boot Camp for Developers

Course ID #: 0835-201-10.1-W

Hours: 21

Course Content

Course Description:

In this course, you will primarily focus on Performance & Tuning. This course offers a thorough review of session partitioning and Push Down optimization in addition to creating mappings from SQL. Slowly Changing Dimensions Mappings for type 1, 2, 3 and 6 are included with innovative techniques.

This course is a must for all new and experienced Informatica PowerCenter Developers and Administrators. It builds on the four-day Fundamentals course and has many challenging labs to reinforce the knowledge and Techniques of attendees.

Target Audience:

ETL Developer with some PowerCenter Experience.

Topics:

Lesson 1: Introduction

- Course Objectives

Lesson 2: Mapping Techniques – Local Variables

- Using local variables: self and forward references

Lesson 3: Mapping Techniques – Pivoting Data

- Using the Normalizer transformation (level of occurs, generated keys, examples)
- Normalizing flat file outputs
- De-normalizing with unconnected Lookups
- De-normalizing with the Aggregator (conditional clause and local variables)

Lesson 4: Mapping Techniques – Self-Joins

- Using a Joiner with the sorted input properly

Lesson 5: Mapping Techniques – Lookup Transformation

- Using dynamic caching
- Pipeline lookups

Lab: Self-join, Dynamic Lookup and De-normalizing

Lesson 6: Mapping Techniques – Surrogate Keys

- Using the Sequence generator transformation
- Using a trigger, GUID or update overrides

Lesson 7: Mapping Techniques – Other

- Calling stored procedures
- Transaction Control transformation and commit points
- Transaction scope



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Lesson 8: Advanced Parameter files usage

Lesson 9: Mapping Templates

- Slowly changing dimension updates (type 1, 2, 3 and mixed)

Lab: Dimensional Updates

- Data validation and error trapping
- Comparing the contents of two tables and extracting differences
- Building parameter files

Lab: Parameter Files

Lesson 10: Performance Tuning

- Understanding PowerCenter's architecture
 - Getting baseline numbers
 - Using performance counters
 - Identifying bottlenecks
 - Tuning the target and source components
 - Tuning blocking transformations
 - Tuning Lookup transformations
 - Tuning the session, caches and memory
 - Using session partitioning
 - Tuning the workflow
 - Running multiple instances of the same workflow
 - Running a session or a workflow on a grid
- Lab:** session partitioning
- Using PushDown optimization (optional)

Lesson 11: Using XML (Optional)

- Overview
- XML Definitions
- Using XML Sources and Targets
- Using the XML Editor
- Midstream XML Transformations

Lab: Using XML

Lesson 12: Review of Command Line Utilities

- Infacmd
- Pmcmd
- pmrep

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